

Work Order ID: 91879

October-19-12 1:00:47 PM

91879

Page 1

Item ID: D412-742-041

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Replacement Float Skidtube

Stop

NS2

Start Date: 10/18/12 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 11/09/12 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: H

Date: 10-9

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr | | | | | | | | |
|----------|--------------|--|--|--|--|--|--|--|--|
| D3391 | I | | | | | | | | |

100 0.00

100 DOCUMENT CONTROL

DC Memo 0.00

Document Control If D412-742-041 is a W/O on its own,
Photocopy bluefile and create labels per PPP D412-742-041 CHG005

N/A 10

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| Work Order: _____ | | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | | | | | | |
|--|------|--|--|---|--|--------------------------------------|--------------------|---|-------------|--------------|--------------|--|--|---|--|
| Part No. _____ | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | | | | | | | |
| NCR No. _____ | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | | | | | | | |
| | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | | | | | | | |
| | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | | | | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | | Initial Chief Eng | Action Description | | Sign & Date | Verification | QC Inspector | | | | |
| Doc/Data | | | | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | | | | |
| Material | | | | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | |
| Process | | | | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio | | | | <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge | | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| | | | | | | | | |
|-------------------|--|--|------------------------------------|------------------------------------|--|--------------------------------------|--|--|
| Work Order: _____ | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | |
| Part No. _____ | Rework <input type="checkbox"/> | Scrap <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | |
| NCR No. _____ | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | |
| | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Finishing <input type="checkbox"/> | Composite <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | |

| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Operator | | | | | | | | | |
| Material | | | | | | | | | |
| Setup | | | | | | | | | |
| Other | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Unapproved | | | | | | | | | |

FAULT CATEGORY

| Landing Gear | | General | | | | | | | | | |
|------------------------------|--|---|--|---|---|--|--|--|--|--|--|
| Bending | | Bend <input type="checkbox"/> | Grain <input type="checkbox"/> | Ovalized <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/> | | | | | | |
| Centre Not Concentric to O/S | | BOM/Route <input type="checkbox"/> | Hardware <input type="checkbox"/> | Over/Under tolerance <input type="checkbox"/> | Temperature/Cure <input type="checkbox"/> | | | | | | |
| Cracks | | Broken/Damaged <input type="checkbox"/> | Inspection Incomplete <input type="checkbox"/> | Part Incorrect <input type="checkbox"/> | Weld <input type="checkbox"/> | | | | | | |
| Crushed/Crimped. | | Burrs <input type="checkbox"/> | Instructions Incomplete/Unclear <input type="checkbox"/> | Part Lost/Missing <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/> | | | | | | |
| Cuffs | | Contamination <input type="checkbox"/> | Maintenance <input type="checkbox"/> | Part Moved <input type="checkbox"/> | | | | | | | |
| Heat Treat | | Countersink <input type="checkbox"/> | Mislabeled <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/> | | | | | | | |
| Inspection Strip in Tube | | Cut Too Short <input type="checkbox"/> | Misread <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/> | | | | | | | |
| Ripples in Bend | | Drill Holes <input type="checkbox"/> | Offset <input type="checkbox"/> | | | | | | | | |
| Torque Waves in Extrusion | | Drawing <input type="checkbox"/> | Out of Calibration <input type="checkbox"/> | | | | | | | | |
| Turning Sequence | | Finish <input type="checkbox"/> | Out of Sequence <input type="checkbox"/> | | | | | | | | |
| Wave/Twist in Tube | | Folio <input type="checkbox"/> | Outside Dimensions <input type="checkbox"/> | | | | | | | | |

Work Order ID 91879

October-19-12 1:00:47 PM

91879

Page 3

Item ID: D412-742-041

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Replacement Float Skidtube

Stop

NS2

Start Date: 10/18/12 Start Qty: 1.00

1

Cust Item ID:

Required Date: 11/09/12 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date: Tooling:

Date:

Run

Start

NR1

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

130

Packaging

Packaging

Packaging

Memo

Identify and pack for shipping as per PPP D412-742-041

Location: _____

PPP Rev: _____

ppp 91945

20
8.88

SL 12/12/07

140

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

12/12/07

MF
12-12-07

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| Work Order: _____ | | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | | | | |
|---|------|------|--|--|------------------------------------|--|--------------------------------------|--------------|--------------|---|--|--|--|
| | | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | | | | |
| | | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | | | | |
| | | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | | | | |
| | | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | | | | |
| Doc/Data | | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | | |
| Material | | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | |
| Process | | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other | | | |

Picklist Print

October-19-12 1:00:46 PM

Page 1

Work Order ID: 91879 4
Parent Item: D412-742-041 Start Date: 10/18/12
Parent Item Name: Replacement Float Skidtube Required Date: 11/09/12
Comments:
 IPP Rev A 05.10.13 New Issue KJ/JLM
 IPP Rev 06.02.13 ECN 773 dwg @ rev.D EC
 IPP Rev:C 07-05-28 As per Rev F JLM
 IPP rev D 07.11.01 ecn 1053p EC
 IPP rev E 07.11.27 ecn 1072 EC verified by:DD
 IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC IPP Rev:G 10.02.24 as per ECN10-
 514 DD verified by: EC IPP Rev:H 11.11.01 as per DSI9517 REV.B DD verified by:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|----------|
| D3391-011 Fwd Tube Assembly | | Manufactured | No | | | 110 | Each | 0.0000 | | 1 | 387428 | (1x) | 41 11/16 |
| D3391-013 Mid Tube Assembly | | Manufactured | No | | | 110 | Each | 0.0000 | | 1 | 387190 | (1x) | 41 11/16 |
| D3391-015 Aft Tube Assembly | | Manufactured | No | | | 110 | Each | 0.0000 | | 1 | 387604 | (1x) | 41 11/16 |
| AN3C4A BOLT | | Purchased | No | | | 110 | Each | 1,233.0000 | 24 | 24 | 41 | 24 | 11/16 |

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST350 | 1233 | |
| 120187 | 31 | |
| 120521 | 28 | |
| 120769 | 38 | |
| 121205 | 61 | |
| 121556 | 8 | |
| 122151 | 2 | |
| 122416 | 4 | |
| 122814 | 931 | X25 |
| 123021 | 130 | |

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

| Work Order: _____ | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | | |
|---|------|--|--|--|--|--|--------------------------------------|-------------|--------------|--------------|
| Part No. _____ | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | |
| NCR No. _____ | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | |
| | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | |
| | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | | Supplier <input type="checkbox"/> | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | |
| Operator | | | | | | | | | | |
| Material | | | | | | | | | | |
| Setup | | | | | | | | | | |
| Other | | | | | | | | | | |
| Process | | | | | | | | | | |
| Supplier | | | | | | | | | | |
| Training | | | | | | | | | | |
| Unapproved | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | | | |
| | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Picklist Print

October-19-12 1:00:46 PM

Page 2

Work Order ID: 91879

Parent Item: D412-742-041

Parent Item Name: Replacement Float Skidtube

Start Date: 10/18/12

Required Date: 11/09/12

Start Qty: 1.00

Required Qty: 1.00

AN3G6A
BOLT

Purchased No

110 Each 999.0000

10 10

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
|-----------------|----------------|-----------------|

| | | |
|--------|-----|--|
| FG | 10 | |
| 122416 | 10 | |
| FP001 | 1 | |
| 111982 | 1 | |
| ST351 | 988 | |
| 111982 | 2 | |
| 116419 | 23 | |
| 116549 | 2 | |
| 116704 | 12 | |
| 117619 | 10 | |
| 117688 | 1 | |
| 117872 | 5 | |
| 118422 | 13 | |
| 119449 | 21 | |
| 120423 | 3 | |
| 120693 | 34 | |
| 121682 | 4 | |
| 122416 | 358 | |
| 122599 | 500 | |

AN3C7A
BOLT

Purchased No

110 Each 153.0000

4 4

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
|-----------------|----------------|-----------------|

| | | |
|--------|-----|-----|
| ST351 | 153 | |
| 113149 | 14 | |
| 116169 | 1 | |
| 117313 | 10 | |
| 117619 | 12 | |
| 117688 | 6 | |
| 119749 | 1 | |
| 120731 | 8 | |
| 121541 | 2 | |
| 122141 | 49 | X41 |
| 122800 | 50 | |

NCR: Yes / No

DQA: Date: p

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| Work Order: _____ | | | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | |
|---|--|------|--|---|---|--|--------------------|-------------|--------------|--------------|--|
| | | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering | | | | |
| Part No. _____ | | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality | | | | |
| NCR No. _____ | | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other | | | | |
| | | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | | |
| Root Cause | | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | |
| Doc/Data | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | |
| Operator | | | | | | | | | | | |
| Material | | | | | | | | | | | |
| Setup | | | | | | | | | | | |
| Other | | | | | | | | | | | |
| Process | | | | | | | | | | | |
| Supplier | | | | | | | | | | | |
| Training | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | |
| Landing Gear | | | | General | | | | | | | |
| <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio | | | | | | | |
| | | | | <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | | | | |
| | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge | | | | | | | |
| | | | | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled | | | | | | | |
| | | | | <input type="checkbox"/> Other | | | | | | | |

Picklist Print

October-19-12 1:00:46 PM

Page 3

Work Order ID: 91879

Parent Item: D412-742-041

Parent Item Name: Replacement Float Skidtube

Start Date: 10/18/12

Required Date: 11/09/12

Start Qty: 1.00

Required Qty: 1.00

AN960C10L
Washer

NAS1149C0332R Purchased No

110 Each 21.0000

38 38

MS27039C4-12
SCREW

Purchased No

110 Each 53.0000

4 4

D3672-3
Phenolic Washer

Manufactured No

110 Each 1,153.0000

4 4

AN960C416L
WASHER
D4095-041
Wearplate Assembly

NAS1149C0432R Purchased No

110 Each 0.0000

4 4

Wearplate Assembly

Manufactured No

110 Each 23.0000

1 1

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST | 21 | XN123355 |
| | 21 | |

X30

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| FP002 | 11 | |
| 114221 | 11 | |
| ST308 | 42 | |
| | 42 | |
| | 122452 | |

4 4

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| FG | 8 | |
| 84432 | 8 | |
| ST061 | 1145 | |
| 84432 | 33 | |
| 86517 | 102 | |
| 88441 | 500 | |
| 89273 | 510 | |

4 4

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| | 110 | |
| | Each | |
| | 0.0000 | |

4 4

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| FP001 | 20 | B85844 |
| 83809 | 7 | |
| 85844 | 10 | |
| 89032 | 3 | |
| FP002 | 3 | |
| 85939 | 3 | |

1 1

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| Work Order: _____ | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | |
|---|------|--|--|--|--|--------------------------------------|-------------|--------------|--------------|
| Part No. _____ | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | |
| NCR No. _____ | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | |
| | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | |
| | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Operator | | | | | | | | | |
| Material | | | | | | | | | |
| Setup | | | | | | | | | |
| Other | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Unapproved | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | | |
| | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other | | | | | |
| | | | | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled | | | | | |

Picklist Print

October-19-12 1:00:47 PM

Page 4

Work Order ID: 91879

Parent Item: D412-742-041

Parent Item Name: Replacement Float Skidtube

Start Date: 10/18/12

Required Date: 11/09/12

D4095-043

Wearplate Assembly

Manufactured No

110 Each 12.0000

1 u 1

n/11/12

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| FP001 | 12 | 392345 |
| 83479 | 7 | |
| 85615 | 1 | |
| 85843 | 4 | |

y1

D4095-045

Wearplate Assembly

Manufactured No

110 Each 11.0000

1 u 1

u/11/12

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| FP001 | 11 | |
| 77737 | 1 | |
| 84081 | 1 | |
| 86244 | 9 | |

x1

NCR: Yes / No

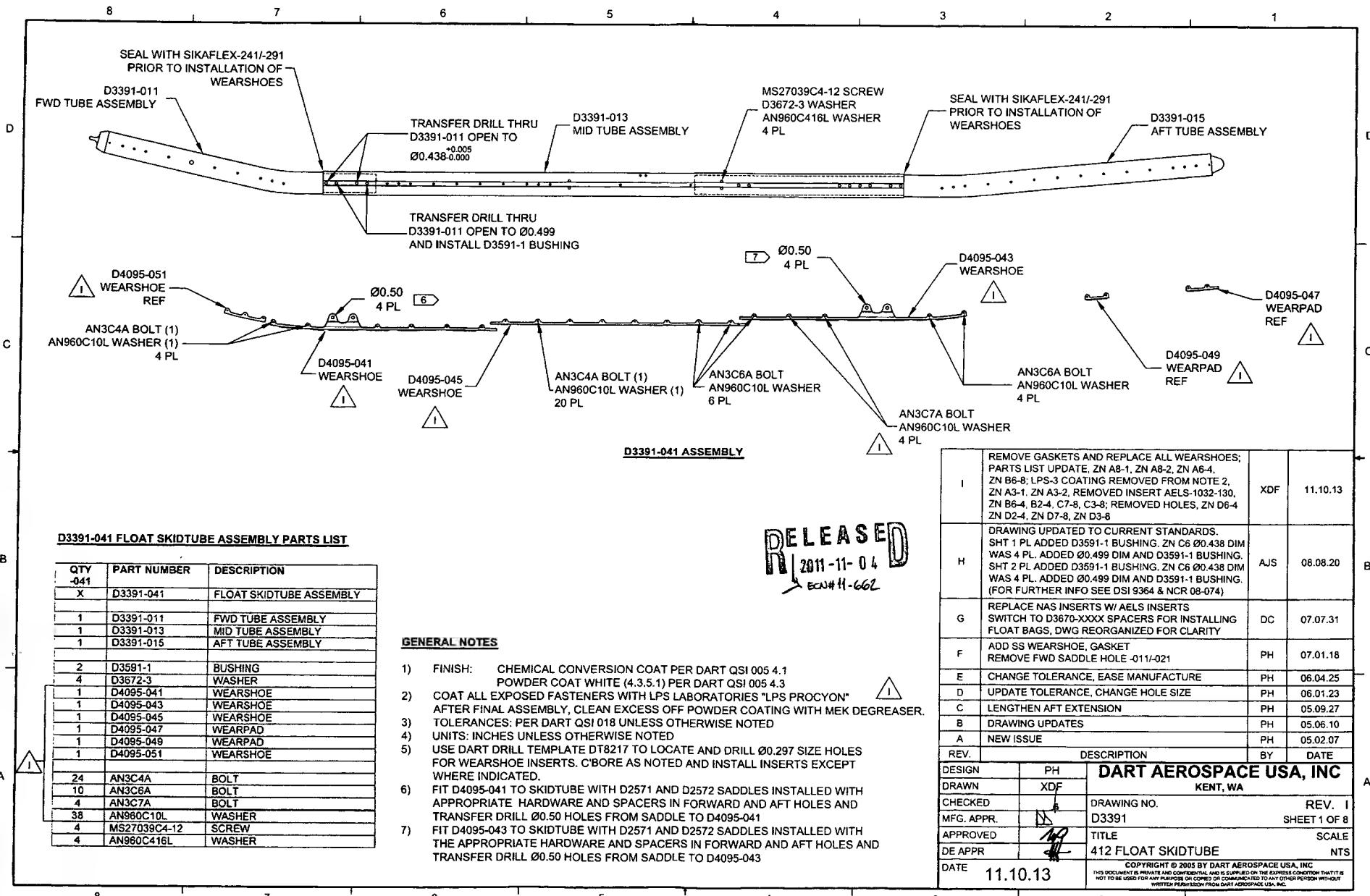
DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

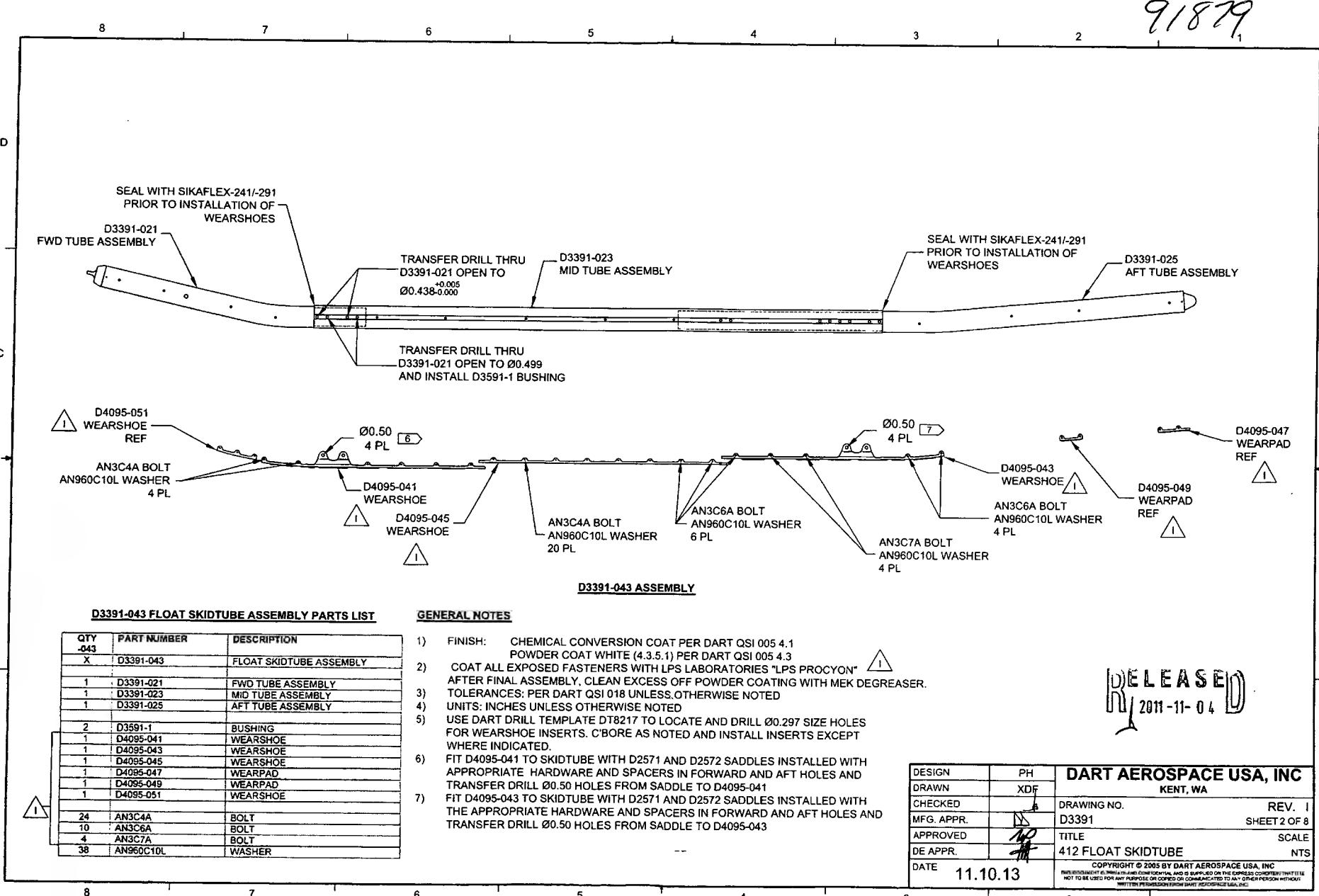
QA Closed: Date:

| Work Order: _____ | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | |
|-------------------|------------------------------|--|--|---|--|--------------------------------------|----------------------|--------------------------|--------------------|
| Part No. _____ | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | |
| NCR No. _____ | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | |
| | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | |
| | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Operator | | | | | | | | | |
| Material | | | | | | | | | |
| Setup | | | | | | | | | |
| Other | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Unapproved | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | |
| Landing Gear | General | | | | | | | | |
| | Bending | <input type="checkbox"/> | Bend | <input type="checkbox"/> | Grain | <input type="checkbox"/> | Ovalized | <input type="checkbox"/> | Pressure/Forced |
| | Centre Not Concentric to O/S | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Hardware | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> | Temperature/Cure |
| | Cracks | <input type="checkbox"/> | Broken/Damaged | <input type="checkbox"/> | Inspection Incomplete | <input type="checkbox"/> | Part Incorrect | <input type="checkbox"/> | Weld |
| | Crushed/Crimped | <input type="checkbox"/> | Burrs | <input type="checkbox"/> | Instructions Incomplete/Unclear | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Wrong Stock Pulled |
| | Cuffs | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Maintenance | <input type="checkbox"/> | Part Moved | <input type="checkbox"/> | |
| | Heat Treat | <input type="checkbox"/> | Countersink | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Positioned Wrong | <input type="checkbox"/> | |
| | Inspection Strip in Tube | <input type="checkbox"/> | Cut Too Short | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Power Loss/Surge | <input type="checkbox"/> | |
| | Ripples in Bend | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Offset | <input type="checkbox"/> | | <input type="checkbox"/> | Other |
| | Torque Waves in Extrusion | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Out of Calibration | <input type="checkbox"/> | | <input type="checkbox"/> | |
| | Turning Sequence | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Out of Sequence | <input type="checkbox"/> | | <input type="checkbox"/> | |
| | Wave/Twist in Tube | <input type="checkbox"/> | Folio | <input type="checkbox"/> | Outside Dimensions | <input type="checkbox"/> | | <input type="checkbox"/> | |

91879
PL 12-1019

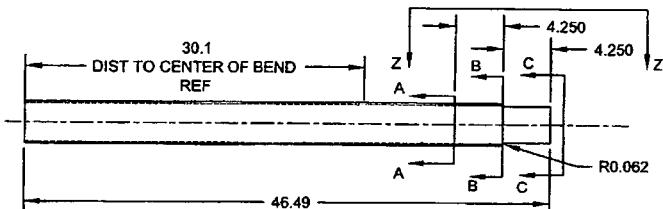


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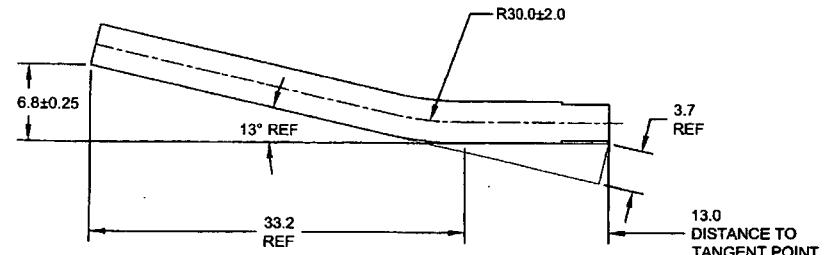


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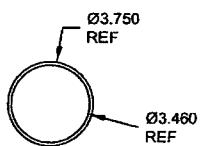


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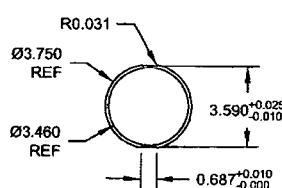


D3391-011-021 BENDING DETAIL
(MAKE FROM D3391-1)

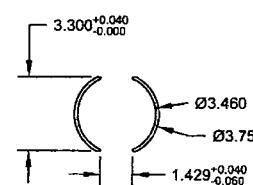
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SECTION A-A
SCALE 2X

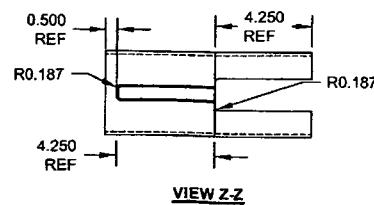


SECTION B-B
SCALE 2X



SECTION C-C
SCALE 2X

91879



VIEW Z-Z
SCALE 2X

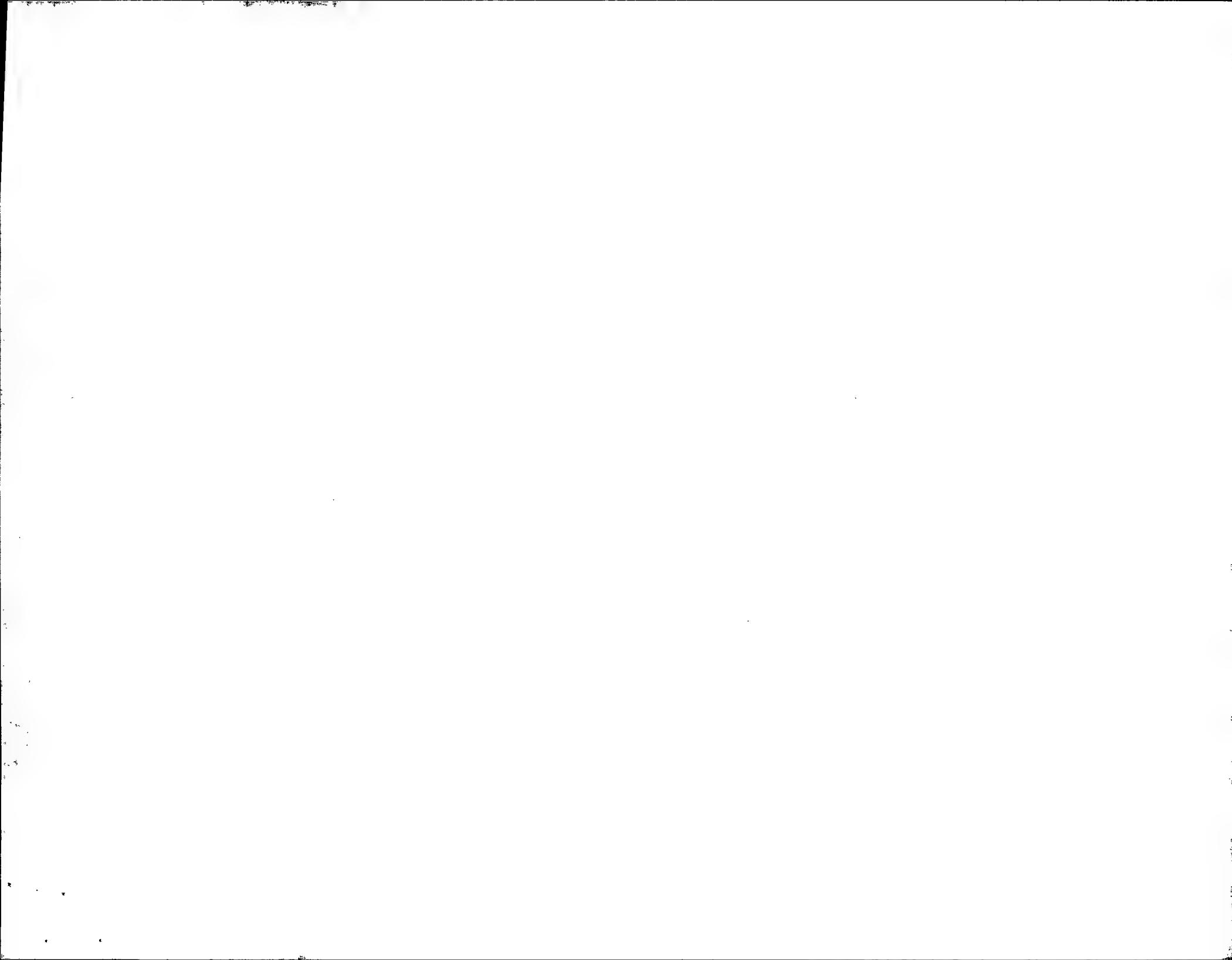
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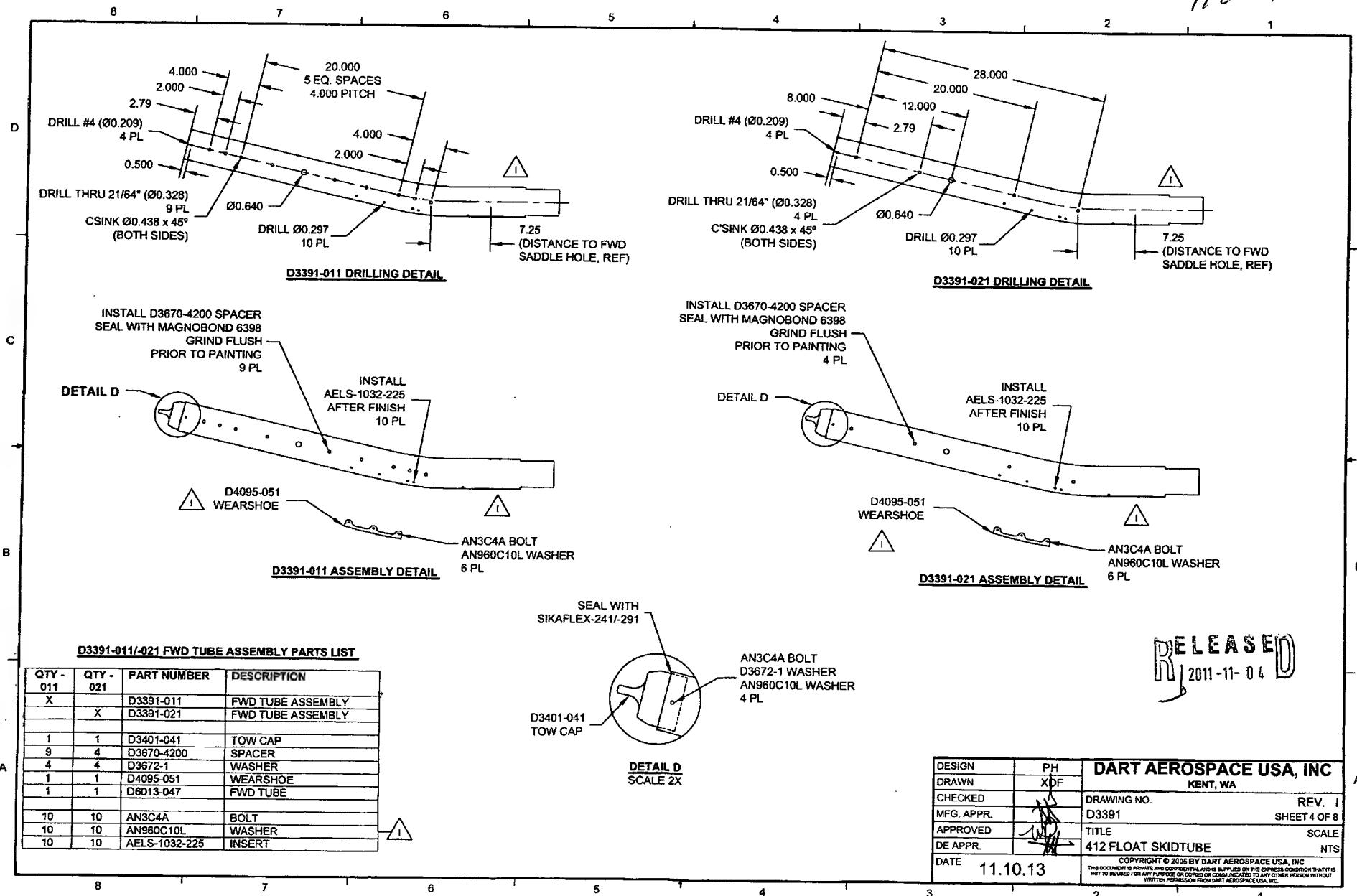
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| APPROVED | | D3391 |
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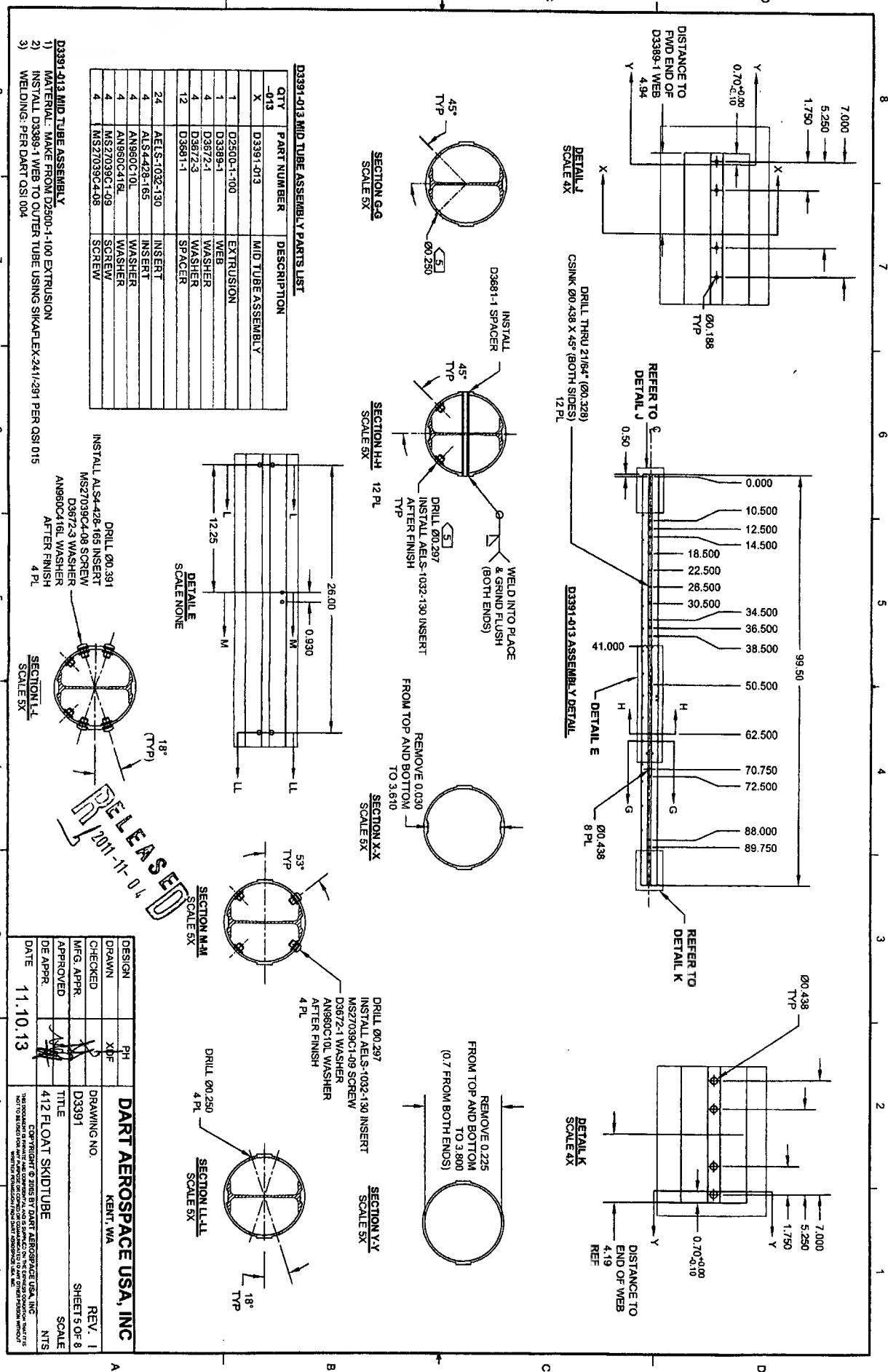
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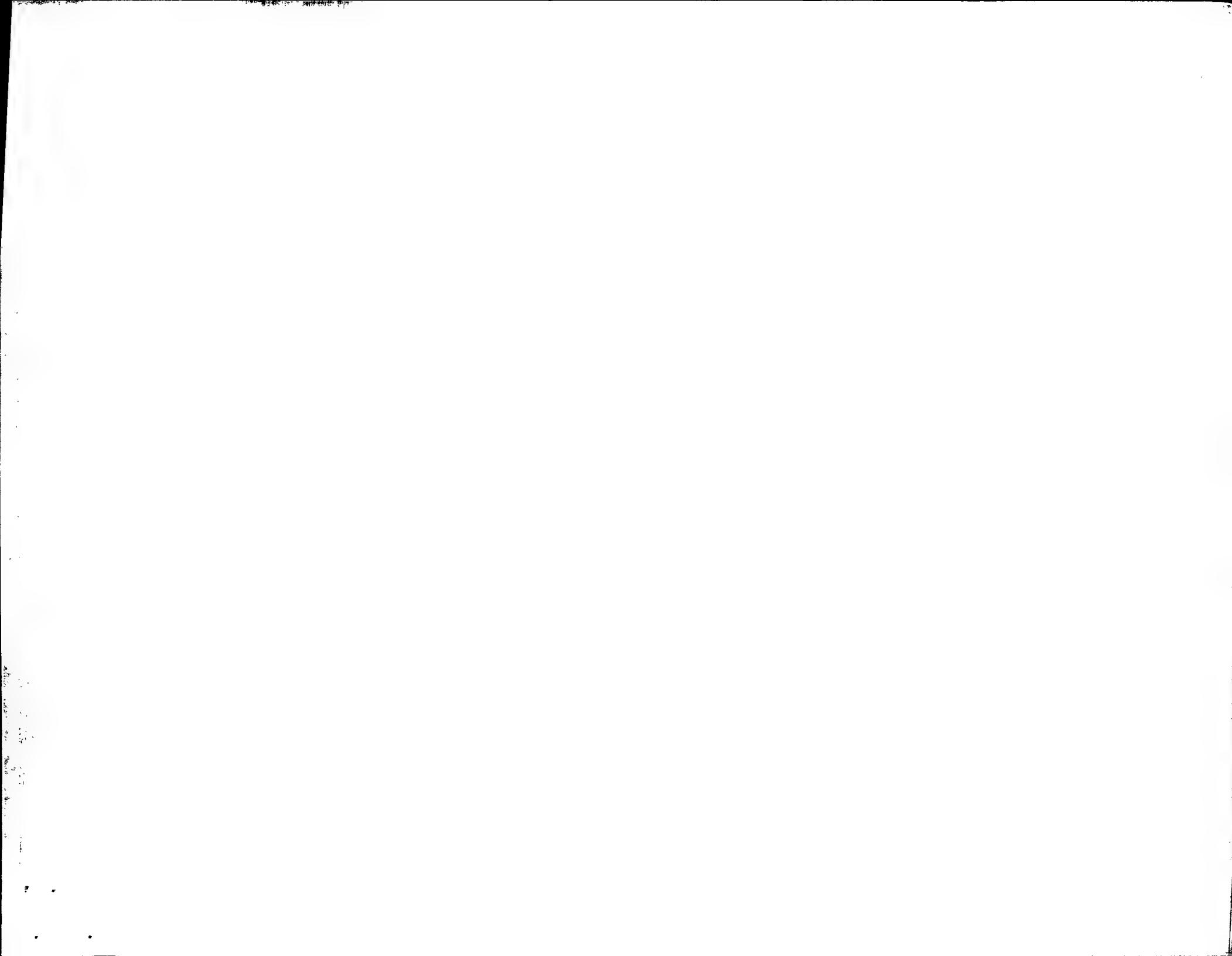
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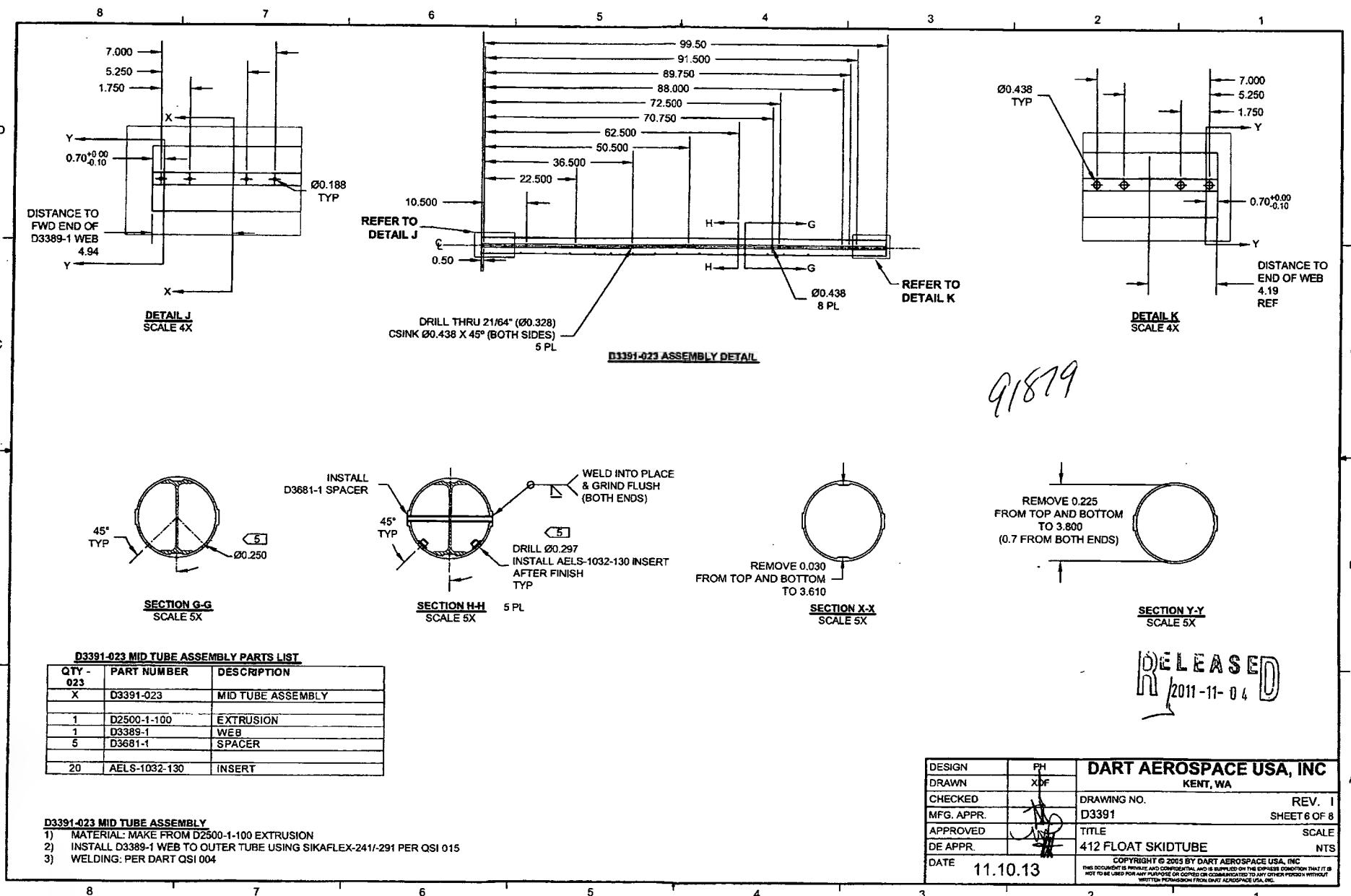


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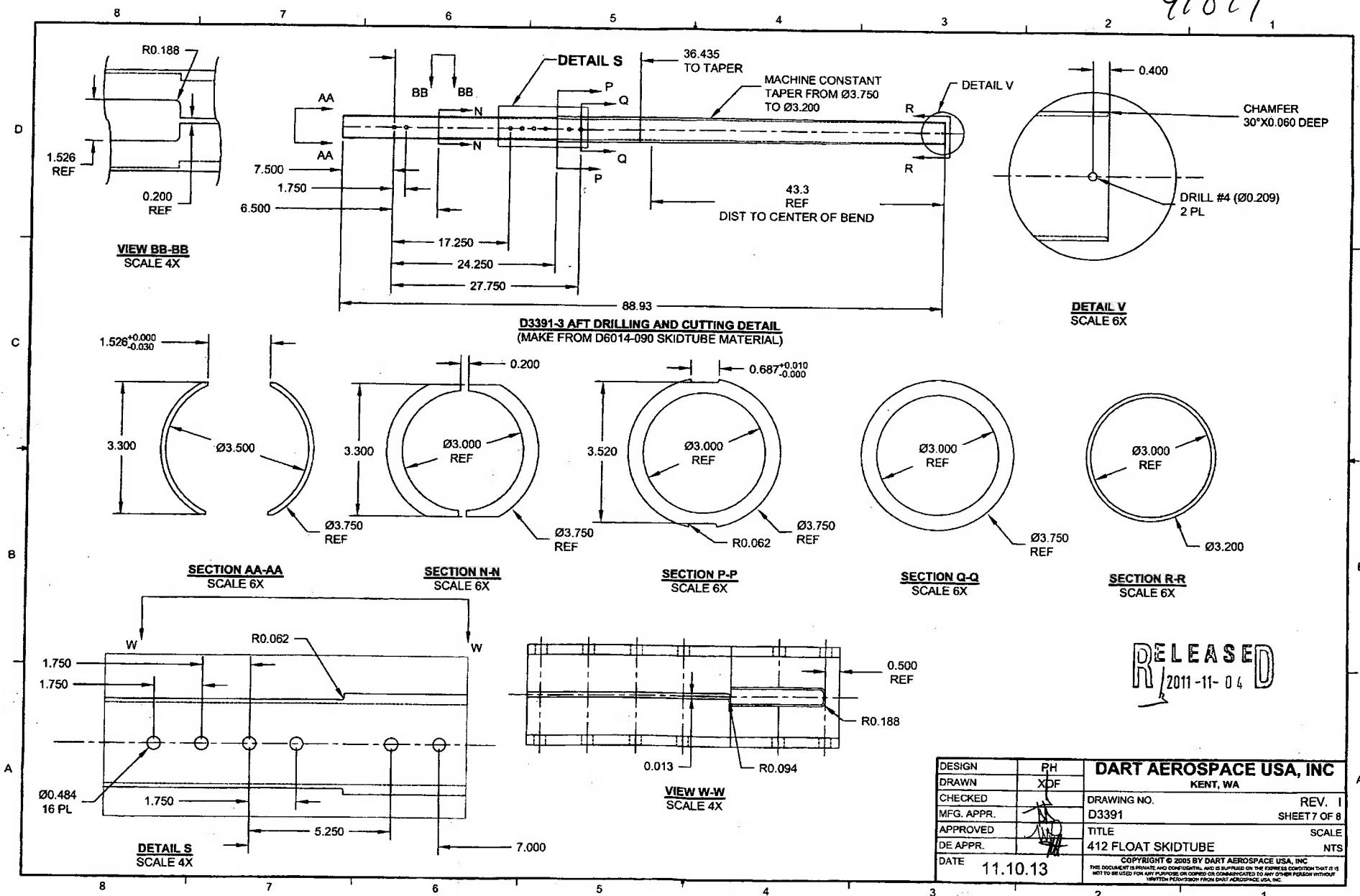


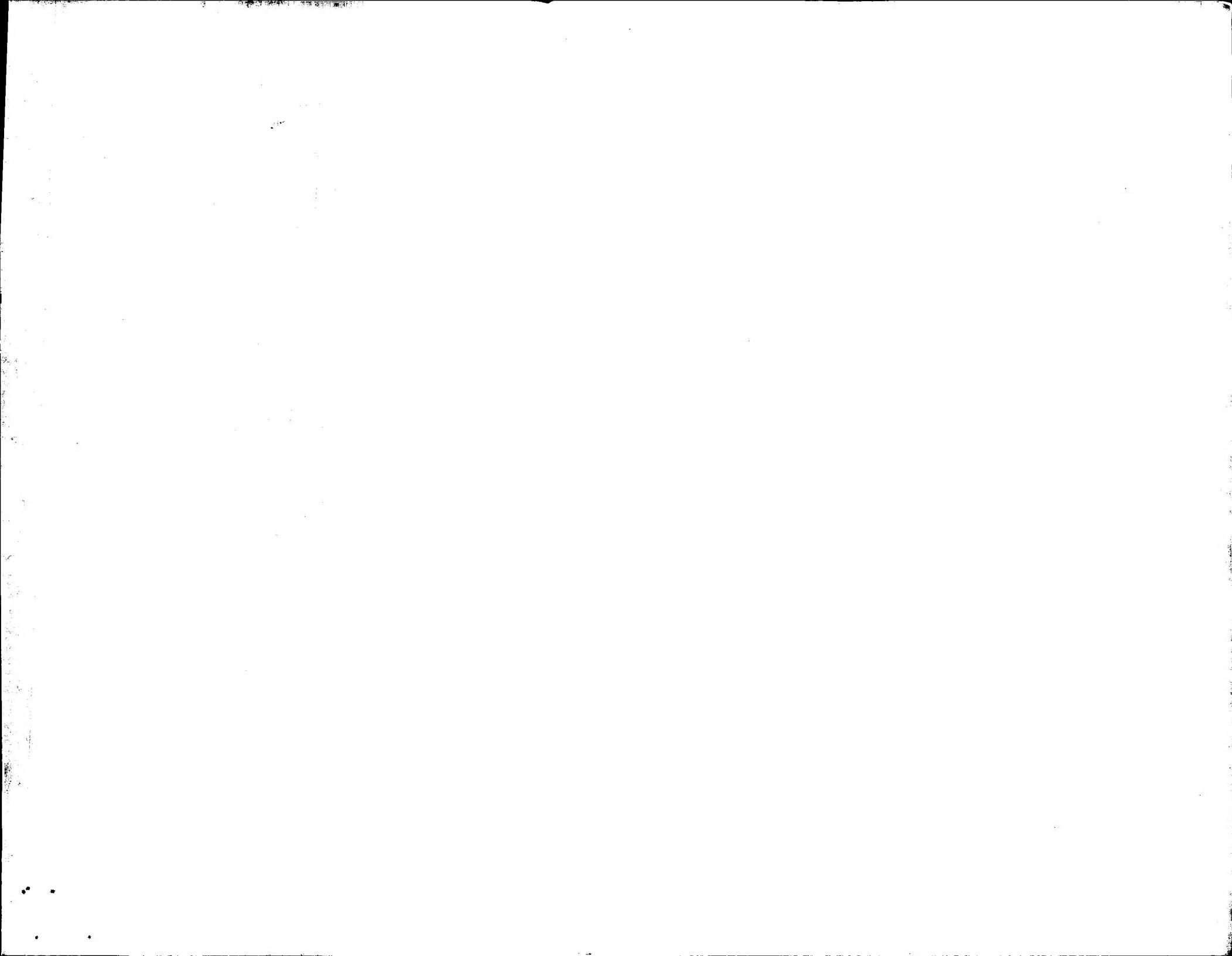




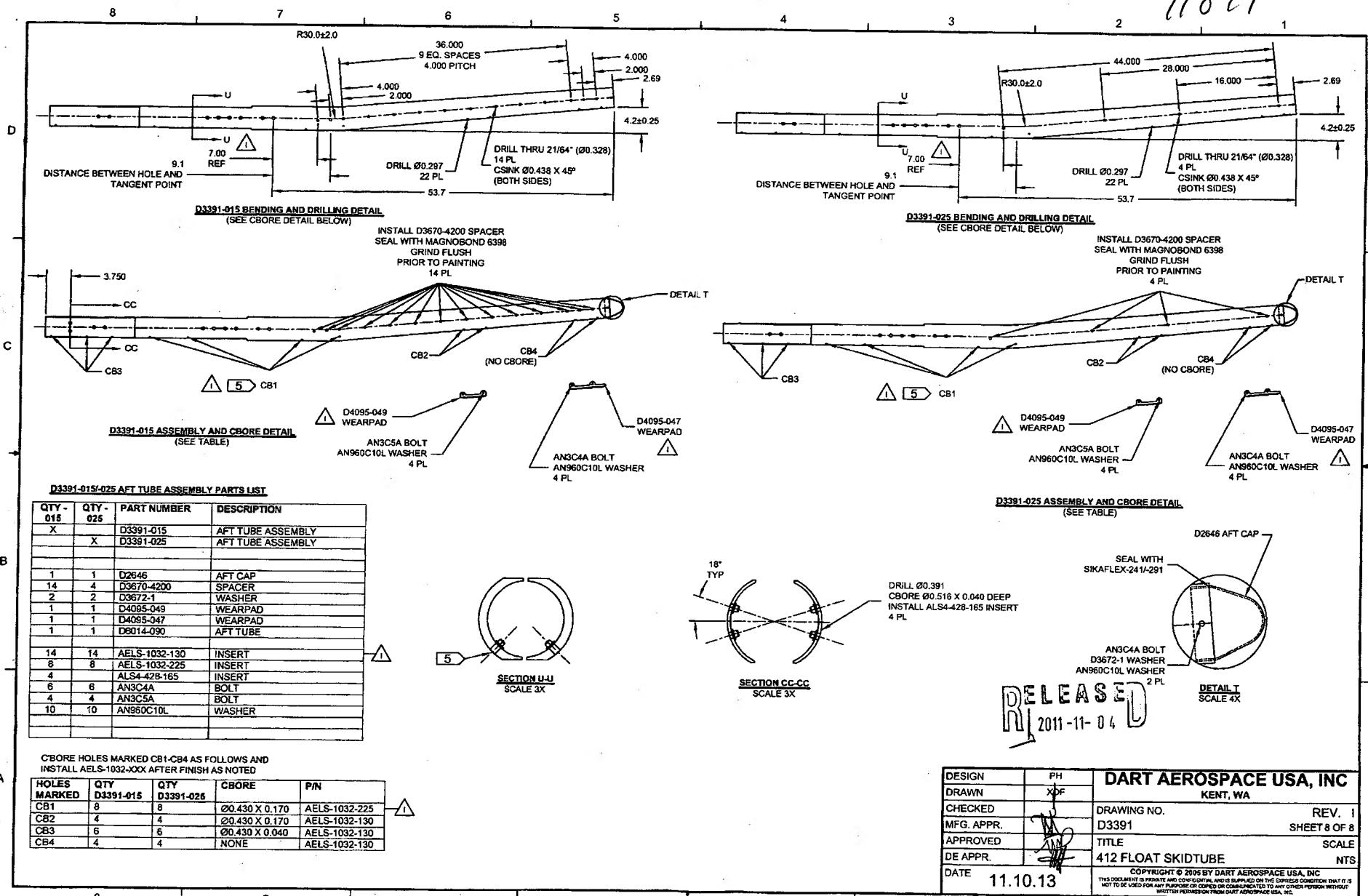


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| MFG. APPR. | | D3391 | SHEET 8 OF 8 | |
| APPROVED | | TITLE | SCALE | |
| DE APPR. | | 412 FLOAT SKIDTUBE | NTS | |
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